

Date: Sat, 6 Mar 93 22:11:06 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #285  
To: Info-Hams

Info-Hams Digest                      Sat, 6 Mar 93                      Volume 93 : Issue 285

Today's Topics:

770-806 MHz? Any clues?  
    alfa, bravo ...  
    Amplifier Tuning  
    creativity in replacement batteries  
Daily Solar Geophysical Data Broadcast for 06 March  
Does anyone make a 6 meter / 2 meter / 440 mobile antenna?  
    NEED DOPPLER DF INFO  
Old Motorola Repeater - Need help & Docs (2 msgs)  
Oscar 13...what's the schedule??? (2 msgs)  
    PR and Bosnia  
    QSL route for XP1AX?  
Studio mics for HF? (2 msgs)  
Yaesu FT-530 Modifications?  
    Yaseu FT 530?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Sat, 6 Mar 1993 19:15:56 GMT  
From: news.cerf.net!iat.holonet.net!bwilkins@network.UCSD.EDU  
Subject: 770-806 MHz? Any clues?  
To: info-hams@ucsd.edu

rcbi106@marshall.wvnet.edu writes:

: Does anyone have a band plan or a list of radio services authorized in  
: the 770-806MHz range? Is this TV? Cellular? Paging? I did hear some  
:

The spectrum is allocated to the uhf television broadcasters.

Audio frequencies

775.750 ch64  
781.750 ch65  
787.750 ch66  
793.750 ch67  
799.750 ch68  
805.750 ch69

Try wide band fm for best reception.

--

Bob Wilkins      n6fri                      voice 440.250+ 100pl san francisco bay area  
bwilkins@holonet.net                      packet n6fri @ w6pw.#nocal.ca.usa.na

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Date: Fri, 5 Mar 1993 17:31:38 GMT  
From: tandem!pacbell.com!att-out!cbnewsj!k2ph@uunet.uu.net  
Subject: alfa, bravo ...  
To: info-hams@ucsd.edu

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Date: 5 Mar 93 21:05:13 GMT  
From: ogicse!emory!darwin.sura.net!rouge!cfm1471@network.UCSD.EDU  
Subject: Amplifier Tuning  
To: info-hams@ucsd.edu

Howdy! At one time, after a slight accident, i had the same thing occur on me with an my Ameritron AL811-H. What the problem was that one of the padding capacitors on the loading tank coil network had opened up. In the ameritron on the 3 lowest bands 160,80, and 40, there are a series of these caps. Depending on which band you operate, will depend on how many of the 3 caps it will use, selectable by the band switch. So to give a possible answer, try some padding on the tuning network for the lower parts of the bands!

Charlie

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Date: Sat, 6 Mar 1993 13:20:53 GMT

From: pacbell.com!att-out!cbnewsh!cbnewse!parnass@ames.arpa  
Subject: creativity in replacement batteries  
To: info-hams@ucsd.edu

gkd@bigwpi.WPI.EDU (Gregory K Doerschler) said:

|About all they could have done would have been to anticipate the problem  
|and design a battery pack with rails that could be replaced easily and  
|cheaply by the consumer without having to send the pack back to get the  
|case replaced...

Some of the aftermarket battery outfits could show some "Yankee  
ingenuity" and design rubberized battery pack housings or offer  
removeable rubber bumpers on the bottom of their packs.

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Bob Parnass, AJ9S - AT&T Bell Labs - parnass@ihlpm.att.com - (708)979-5414

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Date: 7 Mar 93 04:36:02 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 06 March  
To: info-hams@ucsd.edu

NOTE: Average x-ray flux values may be inaccurate. Todays major flare was  
not included in this calculation due to a scheduled power outage during  
the flare event.

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 065, 03/06/93  
10.7 FLUX=166.6 90-AVG=136 SSN=149 BKI=1032 2323 BAI=008  
BGND-XRAY=B7.5 FLU1=2.7E+06 FLU10=6.0E+04 PKI=2133 2322 PAI=009  
BOU-DEV=005,004,025,019,010,020,014,020 DEV-AVG=014 NT SWF=01:012  
XRAY-MAX= M7.7 @ 2049UT XRAY-MIN= B5.9 @ 0004UT XRAY-AVG= C1.2  
NEUTN-MAX= +001% @ 2240UT NEUTN-MIN= -003% @ 1805UT NEUTN-AVG= -0.9%  
PCA-MAX= +0.2DB @ 2315UT PCA-MIN= -0.3DB @ 1810UT PCA-AVG= +0.0DB  
BOUTF-MAX=55407NT @ 1401UT BOUTF-MIN=55374NT @ 1909UT BOUTF-AVG=55400NT  
GOES7-MAX=P:+125NT@ 1928UT GOES7-MIN=N:+006NT@ 0921UT G7-AVG=+081,+035,+012  
GOES6-MAX=P:+141NT@ 1715UT GOES6-MIN=N:+005NT@ 2258UT G6-AVG=+096,+041,+023  
FLUXFCST=STD:175,180,185;SESC:175,180,185 BAI/PAI-FCST=035,035,015/030,040,030  
KFCST=4565 4345 3457 5545 27DAY-AP=018,034 27DAY-KP=2345 2344 4554 3534  
WARNINGS=\*MAJFLR;\*SWF;\*PROTON;\*PCA;\*GSTRM;\*AURMIDWCH  
ALERTS==\*MAJFLR:M7.7/3B,S04E29(7440),2017-2049-2114,II=2,IV=1@2044UTC;  
\*\*PROTNENH;\*\*PROEN100;\*\*TENFLR:370SFU@2018,DUR=28MIN;  
\*\*245STRM:0811-2359UTC  
!!END-DATA!!

Date: 5 Mar 93 20:06:21 GMT  
From: ogicse!uwm.edu!rpi!rs6421.ecs.rpi.edu!maessm@network.UCSD.EDU  
Subject: Does anyone make a 6 meter / 2 meter / 440 mobile antenna?  
To: info-hams@ucsd.edu

In article <1993Mar5.134254.19369@VFL.Paramax.COM>, rossi@gvlf9-q.gvl.unisys.com  
(Pete Rossi) writes:

|>  
|> Looking for a 6/2/440 mobile antenna. Can't find one in any of my  
|> catalogs. I see Diamond makes a 6/2/440 base antenna but no mobile.

Comet has at least one 6/2/440 mobile antenna listed in their catalog (don't  
have it on me now). They import from the same antenna manufacturer as Diamond.

--

Mat Maessen    N2NJZ            | maessm@rpi.edu

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The opinions expressed in this message definitely do NOT reflect the  
views of RPI, Roland Schmitt, or BAPP

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Date: Fri, 05 Mar 93 22:38:15 PST  
From: saimiri.prima.wisc.edu!sdd.hp.com!crash!hale!system@ames.arpa  
Subject: NEED DOPPLER DF INFO  
To: info-hams@ucsd.edu

vaillan@ireq.hydro.qc.ca (Clement Vaillancourt) writes:

> In article 6092@wkuvx1.bitnet, bcobb@wkuvx1.bitnet () writes:  
> >Am looking for any information concering doppler shift direction  
> >finding. Several firms market doppler shift RDF equipment, but I can't  
> >seem to find any schematics..I wan't to build somthing to track down  
> >some local repeater problems.. Any infor would be of help..73 and tnx  
> >Bob-KA4CLL  
>  
>  
> Buy this book:  
> Transmitter Hunting by Curlee and Moell (TAB Books)  
>  
> I know where to get the pc board for the units in chapter 9.  
>  
> It is well explained and the unit is easy to build for an amateur.  
>  
> Clem.

> 73

I have this book, and it's good. There are some errors in the schematic you need to be aware of. They split it across two pages and didn't evenly break it up so some pin numbers are on the other page and the trace for that pin is on the other page.

Not really an error, just not right, and a bit irritating when pouring over schematics at 0'-Dark-Thirty in the morning.

BTW- I burned one of these out on my own and it works OK after you adjust yourself to the unit. I made arrays for Vhf, Uhf and Uhf Business band (had problems on our freq...)

You can make it super compact if you do a little planning, if someone used SMD, I bet it'd be about the size of a calculator. :-)

Hale Telecommunications Inc.  
Take a bite outta crime;  
IMPEACH CLINTON

Public Access Internet Site (hale.cts.com)  
(619)/660-6734 V.32bis  
Support ballistic lead poisoning

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Date: Fri, 5 Mar 1993 17:42:51 GMT  
From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!zaphod.mps.ohio-state.edu!  
howland.reston.ans.net!agate!apple!mumbo.apple.com!gallant.apple.com!  
130.46.104.17.in-addr.arpa!COLLIER@network.  
Subject: Old Motorola Repeater - Need help & Docs  
To: info-hams@ucsd.edu

I've managed to get my hands on an old Motorola repeater, model KS:19618L1, Trans Type: CC3034C. This unit was made by Motorola for Western Electric and used by the Bell System here in Austin, TX for many years. Currently it is set up for operation on 152.690 TX and 157.95 RX.

I'm looking for the service and operation manuals on this unit so I can repair it and possibly use it for our Vol. Fire Dept. or a 2 meter repeater. Currently there was a note inside the cabinet that said "Multi-Coupler Bad, must be tuned into inline watt meter, 4-17-85". I assume that's about when it went out of service.

The details on the unit are:

- 250 watt TX.
- Huge. About six ft. tall by four feet wide, four feet deep. Doors to front and back of cabinet.

- Tube type amp & exciter.

It has the following modules:

R.F. Power Amp  
Local Op. Panel  
Exciter-Driver  
F-Zero & Screen Reg.  
Power Supply  
Receiver (I have two of these)  
Receiver LTU (two of these too)  
Receiver Meter Panel

There are no duplexers with the unit. I'll have to acquire those.

If anyone out there has first hand knowledge on this unit, I'd love to talk to you. I'd be more than happy to pay for copying costs on the service/operation manuals. Any information on the feasibility of using this as a public service repeater (reliability wise) or a 2 meter repeater, would be appreciated.

Thanks,

Will Collier  
Buda, TX  
KB5WRK  
512-295-2476

-----  
Date: Fri, 5 Mar 1993 17:43:51 GMT  
From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!zaphod.mps.ohio-state.edu!  
howland.reston.ans.net!agate.apple!mumbo.apple.com!gallant.apple.com!  
130.46.104.17.in-addr.arpa!COLLIER@network.  
Subject: Old Motorola Repeater - Need help & Docs  
To: info-hams@ucsd.edu

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Receiver Meter Panel

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Thanks,

Will Collier  
Buda, TX  
KB5WRK  
512-295-2476

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Date: 5 Mar 1993 08:10:42 -0800  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!cs.utexas.edu!asuvax!chnews!  
ornews.intel.com!ornews.intel.com!not-for-mail@network.UCSD.EDU  
Subject: Oscar 13...what's the schedule???  
To: info-hams@ucsd.edu

I haven't seen a schedule published for A0-13 for some time. Anybody know what it is?

George  
WB6YZZ

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Date: 5 Mar 1993 08:10:42 -0800  
From: pacbell.com!amdahl!news.fai.com!news.ossi.com!agate!howland.reston.ans.net!  
zaphod.mps.ohio-state.edu!cs.utexas.edu!asuvax!chnews!ornews.intel.com!  
ornews.intel.com!not-for-mail@network.UCSD.  
Subject: Oscar 13...what's the schedule???  
To: info-hams@ucsd.edu

I haven't seen a schedule published for A0-13 for some time. Anybody  
know what it is?

George  
WB6YZZ

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Date: 4 Mar 93 14:10:09 CST  
From: sgiblab!zaphod.mps.ohio-state.edu!usc!sol.ctr.columbia.edu!The-  
Star.honeywell.com!umn.edu!riverside.mr.net!noc.msc.net!uc.msc.edu!raistlin!  
timbuk.cray.com!hemlock.cray.com!@pacbell.com  
Subject: PR and Bosnia  
To: info-hams@ucsd.edu

Seems to me that the reports we hear from Bosnia, though tragic,  
do much for Ham Radio PR.

---  
--David C. Adams Statistician Cray Research Inc. dadams@cray.com

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Old Sourdoughs never die. They just ferment away.  
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Date: Fri, 5 Mar 1993 17:51:16 GMT  
From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!usc!howland.reston.ans.net!  
gatech!ee.gatech.edu!fisher.eedsp.gatech.edu!tucker@network.UCSD.EDU  
Subject: QSL route for XP1AX?  
To: info-hams@ucsd.edu

Does anyone know the QSL route for XP1AX? This was a Lost Squadron  
special event station that I worked last July, when they were up there  
digging out those old planes.

I copied W5CNB as QSL manager, but that doesn't seem to be a good call.  
Can anyone help?  
Thanks es 73  
Jeff N9HZQ  
--



-----  
Jeff Tucker      ()<                   N9HZQ  
tucker@eedsp.gatech.edu           Graduate Student, Electrical Engineering  
W4AQL Contest Domination Team      Georgia Institute of Technology  
                    -PGP Key Available On Request-

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Date: 5 Mar 93 05:51:37 GMT  
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!darwin.sura.net!opusc!opusc!not-  
for-mail@network.UCSD.EDU  
Subject: Studio mics for HF?  
To: info-hams@ucsd.edu

The audio production folks occasionally upgrade their microphone inventory from time to time, and I was wondering if some of the cast-offs might be used for HF. Some are mics with a frequency response for music, but some are used for narration, etc.  
Does anyone have experience with converting mics such as these to ham use?

73  
David  
KQ4KT

-----  
Date: 5 Mar 93 20:12:49 GMT  
From: ogicse!emory!gatech!rpi!rs6421.ecs.rpi.edu!maessm@network.UCSD.EDU  
Subject: Studio mics for HF?  
To: info-hams@ucsd.edu

In article <1n7su9INNoqj@bigbird.csd.scarolina.edu>,  
dfrey@bigbird.csd.scarolina.edu (David Frey) writes:  
> The audio production folks occasionally upgrade their microphone inventory  
> from time to time, and I was wondering if some of the cast-offs might be  
> used for HF. Some are mics with a frequency response for music, but some are  
> used for narration, etc.  
> Does anyone have experience with converting mics such as these to ham use?

As far as audio response, these mikes are fine for ham use. They are also the right impedance for most HF radios. You will probably have to kludge a connection to the radio, as most studio mikes are balanced and your rig has an unbalanced mike connection. This shouldn't be too hard if the mike is a dynamic mike.

However, stay away from any condensor mikes or mikes that need "phantom" power. In order to power these mikes properly, you need to put +24 volts on one mike and -24 volts on the other mike line, connected through resistors. This is not

a healthy voltage to have hanging around on the mike input of any ham rig.

--

Mat Maessen    N2NJZ                    | maessm@rpi.edu

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The opinions expressed in this message definitely do NOT reflect the  
views of RPI, Roland Schmitt, or BAPP  
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Date: Fri, 5 Mar 1993 17:26:25 GMT

From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!zaphod.mps.ohio-state.edu!  
howland.reston.ans.net!agate!apple!mumbo.apple.com!gallant.apple.com!  
news@network.UCSD.EDU

Subject: Yaesu FT-530 Modifications?

To: info-hams@ucsd.edu

In article <kX9sZB3w165w@dreaml.wariat.org> Jon Anhold,  
jga@dreaml.wariat.org writes:

> Does anyone have any mods for out of band RX and TX on the FT-530?  
> Especially on the UHF side? Mine is at Yaesu being repaired right  
now,  
> but I would like to get it modified.

Here is a re-post of the mods:

This is copied verbatim from the mod sheet I received with my rig...

YAESU FT-530

Expanded Receive 110-180, 300-500 MHz

Expanded Transmit 130-180, 400-470 MHz

NOT LEGAL IN U.S.A - FOR EXPORT ONLY

- o Remove Antenna and Battery.
- o Remove four screws on bottom holding battery track.
- o Remove the four (black) screws holding rear case.
- o Slowly... open the front cover from tranceiver and lay both halves on table.
- o Note positioning of white paper insulator in right half of radio and lift out  
  (don't throw away)
- o Carefully locate Jumper Pad 13 and remove solder.



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/-----\
| Jeff Otterson           | The opinions expressed here are |
| j_otterson@star.enet.dec.com | mine. Noone else should be held |
| Digital Equipment Corporation | responsible for my actions.      |
| 110 Spit Brook Rd. Nashua, NH | CENSORSHIP IS THE TOOL OF TYRANTS |
\-----/
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Date: Sat, 6 Mar 1993 07:04:53 GMT  
From: elroy.jpl.nasa.gov!usc!sol.ctr.columbia.edu!caen!destroyer!cs.ubc.ca!  
unixg.ubc.ca!kakwa.ucs.ualberta.ca!ee.ualberta.ca!hanrie@ames.arpa  
Subject: Yaseu FT 530?  
To: info-hams@ucsd.edu

I am very interested in this radio and may purchase it in the near future.  
Has anyone had any problems with this model I should be aware of before  
purchasing? I am also interested in some of the hidden features of this radio  
, I know of some of the TX and RX expansions, but not all of them. Also I know it  
has 800 MHz capability, but how does one enter this mode. If you know of  
any mods for this unit I would greatly appreciate if you could Email them to  
me. Thanks in advance for any help given!!!

Paul A. Hanrieder  
hanrie@129.128.16.96  
University of Alberta  
Computer Engineering

VE6PAH

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Date: Fri, 5 Mar 1993 22:39:53 GMT  
From: news.service.uci.edu!ttinews!calvin.tti.com!cole@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Feb28.192925.10612@nmt.edu>, <RBOLT-040393094436@128.183.16.116>,  
<1993Mar5.140217.20266@VFL.Paramax.COM>  
Subject : Re: Wanted: : 9913 -- good source?

In article <1993Mar5.140217.20266@VFL.Paramax.COM> rossi@gvlf9-q.gvl.unisys.com  
(Pete Rossi) writes:

>From: rossi@gvlf9-q.gvl.unisys.com (Pete Rossi)

>Subject: Re: Wanted:: 9913 -- good source?

>Date: 5 Mar 93 14:02:17 GMT

>In article <RBOLT-040393094436@128.183.16.116> RBOLT@postman.gsfc.nasa.gov (Dick  
Bolt) writes:

>>Consider XL if you need full flexibility such as around 360 degree rotor



Tango  
Uniform  
Victor  
Whiskey  
X-ray  
Yankee  
Zulu

--

-----  
Bob Schreibmaier K2PH | UUCP: ...!att!mtdcr!k2ph  
AT&T Bell Laboratories | Internet: k2ph@mtdcr.att.com  
Middletown, N.J. 07748 | ICBM: 40o21'N, 74o8'W  
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End of Info-Hams Digest V93 #285  
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